

SYSTEM AND METHOD OF EXTRACTION OF NONSTATIONARY SINUSOIDS

Abstract of the Disclosure

5 Signal processing techniques and systems and, in particular, an apparatus,
system, algorithm and method of extraction of sinusoidal signals of time-varying nature is
described. The apparatus, system, algorithm and method provide for extraction of a specified
single sinusoidal component of an input signal, potentially containing other components and
noise, and tracking variations of the amplitude, phase and frequency of such a sinusoid
10 component over time. A "tool" or "core unit," embodying the apparatus, system, algorithm or
method may be used in isolation or as the fundamental building block of single-core or multi-
core systems.